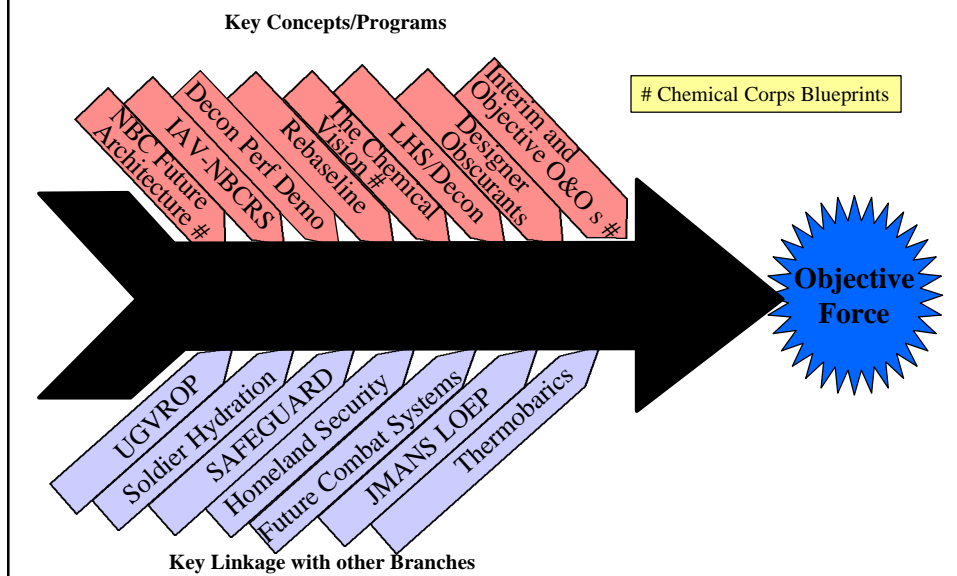


Our NBC Strategy to Drive Army Transformation & Full Dimensional Protection



Chem Division “Top 10”

Nuclear, Biological and Chemical (NBC) Future Architecture and Chemical Vision 2020 in Support of Army Transformation

- Seeking release from the Commandant, USACMLS.
- Starting work on Chemical Vision 2020.
- Participated in III Corps and 3 ID(M) Quarterly Chemical Conference

Decontamination in Support of Army Transformation

- Decontamination Performance Demonstration (FLW, Jul 2001).
- Testing for the Modular Decon System

Single Platform NBC Reconnaissance System Bridged to the Objective Force

- NBCRS-IAV Test Integrated Product Team
- Portable Biological Aerosol Sampler Concept Experimentation Program.
- Path forward for Radiac/Nuclear detection.

Chem Division “Top 10”

Application of Obscurants for Enhanced Survivability in Complex Terrain

- Constructing concept paper unmanned ground vehicles and unmanned aerial vehicles obscurants.
- Working scenarios for FY02 Concept Exploration Program for Unmanned Ground Vehicle Nuclear, Biological, and Chemical/Obscurant Platform Phase II.
- Working with Infantry/Armor Schools on Unmanned Ground Vehicle Rapid Obscurants Platform.

Military Support to Homeland Security (HLS)

- Staffing draft charter for HLS Integrated Concept Team.
- Working requirements documents for Weapons of Mass Destruction Civil Support Teams (WMD-CSTs) and Reserve Component Reconnaissance and Decontamination Team.

Chem Division “Top 10”

Unmanned NBC Reconnaissance; Ground, Air and Interactive Networking

- Planning for Standoff Detection Mission Area Analysis.
- Pre-brief Commandant, USACMLS for General Officer Steering Committee on Theater Air and Missile Defense (TAMD).

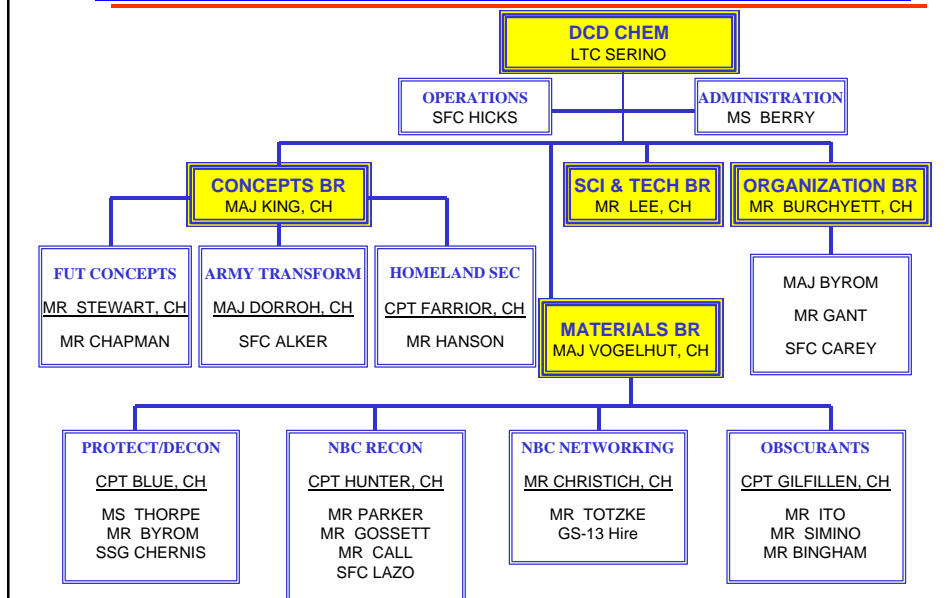
Personnel Protection for Multi-Functional Applications

- Developing Soldier Hydration System ORD.
- Participated in Joint Transportable Collective Protection System Industry Day.
- Working with Program Manager on Future Mask programs.

Force Redesign in Support of Army Transformation

- Working Force Design Update for Technical Escort Unit for TAA-09.
- Conducted “Re-baselining the Chemical Corps” to resynchronize Chemical units activation with materiel availability.

MANSCEN DCD Chemical Division



Chemical Division Major Under-Resourced Efforts

- **Homeland Security**
- **NBC/Medical Integration**
- **Review of Theater Air and Missile Defense Documents for Passive Defense**
- **Integration of Modeling/Simulations**
- **Radiac/Nuclear Detection Equipment**
- **Upgrading Existing Decontamination Equipment**
- **Review of Non-Proponent Documentation (ORDs/MNSs, TOEs, etc)**
- **Collective Protection/Overpressure**
- **Non-Lethals/Riot Control**
- **Soldier Enhancement Programs**
- **Large Area Obscurants**
- **Foreign Comparison Testing**

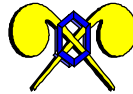
Major Strategic Efforts

- **Unmanned Ground Vehicle Rapid Obscurants Platform (UGVROP) Concept Experimentation Program (CEP) (May 01)**
- **Decontamination Performance Demonstration (Jul 01)**
- **Chemical-Biological Cooperative Detection CEP**
- **Fielding 2^d Initial Brigade Combat Team with NBC Reconnaissance Vehicles (May 02)**
- **Thermobarics**

Army Modernization Strategy

- **NBC Annex to the Army Modernization Plan 2001 is OK and what we worked with Department of the Army Deputy Chief of Staff for Program-NBC (DCSPRO-FDB) –COL Izzo**
- **Updating 17+ Operational Requirements Documents this Fiscal Year (NBC Reconnaissance, Biological Defense, Decontamination, Protection, Sensors, Software, etc...)**

QUESTIONS



Integrated Concept Teams (All Tier 2)

- **Current**

- Decontamination (Chair)
- Automated Obscurants Battle Planning System (Chair)
- Battle Management (Chair)
- Unmanned Ground Vehicle Rapid Obscuration Platform (Chair)
- Multi-Spectral Integrated Smoke Grenade and Pot (Chair)
- Unmanned Aerial Vehicle (Participate)
- Science and Technology (Participate)
- Non-Lethal (Participate)
- Designer Obscurant (Chair)
- Obscurant Sensor (Chair)

- **Planned**

- Biological Defense (Chair)
- Unattended Ground Sensors (Undetermined)
- Homeland Security (Co-chair)

Acronyms

• 2d	Two Dimensional	• JSLNBCRS	Joint Service Lightweight Nuclear, Biological and Chemical Reconnaissance System
• ACTD	Advanced Concept Technical Demonstration	• MANSCEN	Maneuver Support Center
• AO	Area of Operations	• MICAD	Multi-Integrated Chemical Agent Detector
• BDE	Brigade	• MNS	Mission Needs Statement
• BIDS	Biological Integrated Detection System	• MSBL	Maneuver Support Battle Lab
• CDR	Critical Design Review	• NBC	Nuclear, Biological and Chemical
• CINC	Commander in Chief	• NBCRS	Nuclear, Biological and Chemical Reconnaissance System
• CSA	Chief of Staff of the Army	• O & O	Operational and Organization
• DAMO	Department of the Army Modernization Office	• OMS/MP	Operational Mission Summary/Mission Profile
• DCD	Directorate of Combat developments	• ORD	Operational Requirements Document.
• DPW-E	Department of Public Works – Environmental	• PDR	Preliminary Design Review
• DTC	Developmental Test Command	• SAFEGUARD	Scanning Airborne Emission for Gaseous Ultraspectral Analysis and Radiometric Detection
• EPA	Environmental Protection Agency	• SBCCOM	Soldier Biological and Chemical Command
• FAA	Functional Area Assessment	• TAA	Total Army Analysis
• FDB	Force Development Branch	• TEU	Technical Escort Unit
• FLW	Fort Leonard Wood	• TOE	Table of Organization and Equipment
• HMMWV	High Mobility Multipurpose Wheeled Vehicle	• TTP	Tactics, Techniques, and Procedures
• IAW	In accordance with	• UAV	Unmanned Aerial Vehicle
• IDIV	Interim Division	• UGS	Unmanned Ground Vehicle
• IBCT	Interim Brigade Combat Team	• USACMLS	United States Army Chemical School
• IAV	Interim Armored Vehicle		
• JMANS	Joint multi-mission Advance NBC Sensor		
• JSIG	Joint Service Integration Group		

HIDDEN BACKUP